

Missouri Water Utility Partnership - July 8, 2010



City of St. Peters, MO

Project Size: \$9,101,696

Annual Savings				
City	kilowatt Hours Electricity	Hundred Cubic Feet Natural Gas or Propane	Mgals Water	Dollars
St. Peters	1,367,640			\$65,303



Wastewater Treatment Upgrades

- Replaced existing aeration equipment to improve performance and efficiency
- Installed 6 new mechanical aerators with variable frequency drives
- Connected aerators to computer system which adjust motor speed based on readings from dissolved oxygen probes

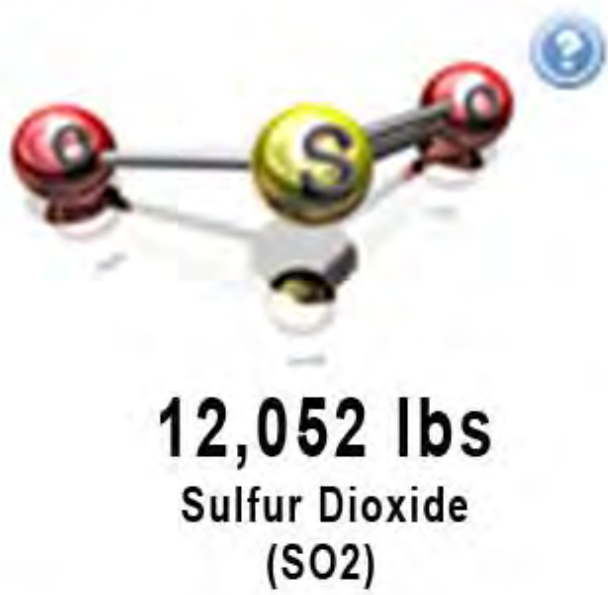
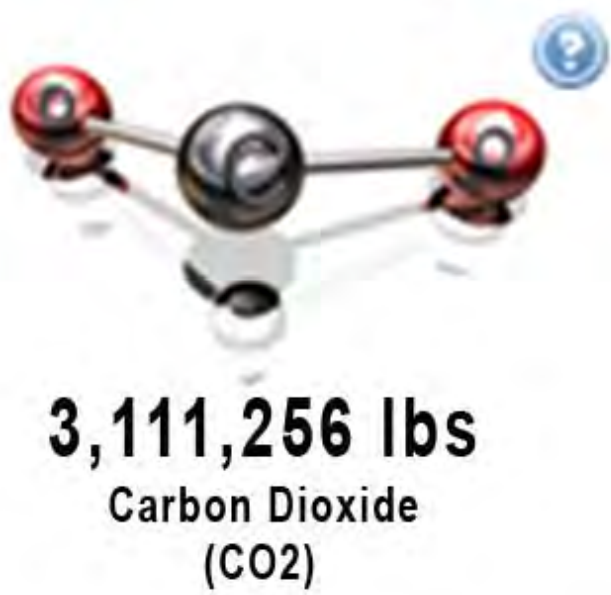


Drinking Water Treatment Plant Upgrade - Planned

- Replace 5 high service pump motors with premium efficiency motors
- Replace 2 backwash pump motors with premium efficiency motors with variable speed drive (VFD) controls
- Install 1 new finished water transfer pump with VFD controls

Business Model:	Local Financing + Energize Missouri Communities Grant from MDNR
Prime Contractor:	KCI Construction
Utility Partners:	AmerenUE
Funding Sources:	(1) Energize MO Communities Grant, MDNR - \$91,564; (2) AmerenUE Energy Grant - \$38,440 (3) City of St. Peters Water / Sewer Bond Issue - \$8,971,692

This will prevent the following greenhouse gases from being released into the atmosphere



Your greenhouse gas emissions savings are equivalent to:

